
ABSTRACT

POWERED RECIPROCATING SAW AND CLAMPING MECHANISM

The invention relates to a powered reciprocating saw. To simplify use of the saw, a clamping mechanism is provided which holds an object in position while it is sawn. The clamping mechanism is mounted at the front of the housing of the saw near the saw blade. The clamping mechanism comprises: a slide element for sliding movement in the cutting direction, a supporting member, and a clamping arm rotatably mounted on the slide element by a one way clutch to clamp an object therebetween in a clamping position below the saw blade. When the saw is in use, it vibrates. Since the clamping arm has a moment of inertia with respect to the axis of rotation of the one way clutch, the oscillating movement is transformed into a progressive rotational movement of the clamping arm to clamp an object.

CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action, and as such, the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested. If the

Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

Dated: Jan 13, 2003

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